Geological Technics Inc.

REPORT

Groundwater Monitoring
3rd Quarter 2005

Ham Station
34950 Hwy 88
Pioneer, Amador County, CA

Project No. 808.2
October 26, 2005

Prepared for:
Mr. Thomas A. Newcomer
Ham Station
34950 Hwy 88
Pioneer, CA 95666

Prepared by:
Geological Technics Inc.
1101 7th Street
Modesto, California 95354
209-522-4119

Geological Technics Inc.

1101 7th Street
Modesto, California 95354
(209) 522-4119 / Fax (209) 522-4227

October 26, 2005

Project No.: 808.2
Project Name: Ham Station (Hwy 88)

Mr. Thomas A. Newcomer
Ham Station
34950 Hwy 88
Pioneer, CA

RE: Report: Groundwater Monitoring – 3rd Quarter 2005
Location: Ham Station, 34950 Hwy 88, Pioneer, Amador County, CA

Dear Mr. Newcomer:

Geological Technics Inc. has prepared the following Report for the 3rd Quarter 2005 groundwater-monitoring event at Ham Station, 34950 Highway 88 in Pioneer, CA. The report provides analytical results and discussion of the monitoring/sampling activities conducted at the site on August 27, 2005.

If you have any questions, please contact me at (209) 522-4119.

Respectfully submitted,

Raynold Kablanow II

Digitally signed by Raynold Kablanow II
DN: CN = Raynold Kablanow II, C = US, O = Geological Technics, Inc.
Reason: I am approving this document
Date: 2005.10.28 16:57:33 -07'00'

Raynold I. Kablanow II, Ph.D.
Vice President

cc: Kirk Larson – CRWQCB-CVR
Bob Fourt – Amador County
USTCF

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APPENDICES

Geological Technics Inc.

1101 7th Street
Modesto, California 95354
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REPORT

Groundwater Monitoring 3rd Quarter 2005

Ham Station
34950 Hwy 88
Pioneer, Amador County, CA

Project No. 808.2
October 26, 2005

EXECUTIVE SUMMARY

This report summarizes the 3rd Quarter 2005 round of groundwater monitoring and testing that took place at the site on August 27, 2005. Monitoring well MW-1 was non-detect above the laboratory detection limits for all analyzed constituents. This is the thirteenth consecutive monitoring event with these results. Monitoring wells (MW-2 through MW-5) were dry and not sampled.

The domestic well was non-detect above the laboratory detection limits for all analyzed constituents. The domestic well has been non-detect for all analyzed constituents since sampling began in October of 1999 with the exception of the November 2001 event.

The groundwater level in MW-1 decreased approximately 3.80 feet since the March 11, 2005 monitoring event. Dissolved oxygen concentration measured in MW-1 was 5.89 ppm. Oxidation-reduction potential was positive in both MW-1 and the domestic well. Field parameters are favorable for aerobic biodegradation.

A summary of groundwater elevation is included as Table 1. A summary of groundwater analytical data is included as Table 2. A summary of water quality parameters is included as Table 3.

1.0 GROUNDWATER MONITORING

1.1 Hydrogeology of Site

Depth-to-groundwater measurements, incorporating the new wells, were performed on August 27, 2005. This is the seventh groundwater-monitoring event since the installation of the new monitoring wells in October 2003. Site-specific groundwater gradient and bearing calculations could not be computed because only one monitoring well (MW-1) had measurable water levels.

On August 27, 2005, the depth to water in MW-1 was 148.83 feet bgs. The groundwater elevation in MW-1 is 5288.23 feet AMSL.

Table 1 in Appendix A contains groundwater elevation, bearing and slope data.

As required under AB2886, the depth to groundwater data was submitted electronically to GeoTracker on October 26, 2005, with confirmation number 3515110611.

1.2 Groundwater Sampling Procedure

Mr. Don Light of Del-Tech Geotechnical Services (Del-Tech) mobilized to the site on August 27, 2005, to sound, purge and sample the site's five groundwater-monitoring wells (MW-1 thru MW-5) and domestic well. Before sampling, the monitoring wells were sounded for depth to water with an electrically actuated sounding tape. The water level reading was recorded to an accuracy of 0.01 foot. No floating product or fuel odors were observed during this sampling event. Monitoring wells MW-2 through MW-5 were dry and could not be sounded.

MW-1 was purged of three well casing volumes of stagnant water using a 4-foot stainless steel bailer. Purging continued until the temperature, conductivity, and pH of the groundwater stabilized (<10% variation between three readings) indicating that formation water representative of aquifer conditions was entering the well. These water quality parameters were measured at intervals of each well volume purged.

Once purging was complete, a water sample was collected, from each well containing enough water, utilizing a 4-foot stainless steel bailer. Care was taken to minimize sample agitation. Once the sample container was filled and capped, the bottle was inverted, tapped, and checked for headspace bubbles. The sample container was identified and labeled with a unique designation, inserted into foam holders and placed in a cooled ice chest for transport to the laboratory.

All non-disposable sampling equipment was decontaminated using a hot water washer and Alconox soap before and between uses. Disposable gloves were used by the technician to collect all samples and were changed with each sample collection.

A chain of custody document, listing all samples collected, accompanied the samples from field to laboratory, thereby providing a means to track their movement and insure their integrity.

All purge water was placed in a 55 gallon DOT approved container, properly labeled and stored on site until its proper disposition can be arranged.

Groundwater monitoring field logs are included in Appendix C.

1.3 Laboratory Analyses

The groundwater samples collected on August 27, 2005, were delivered to Sequoia Analytical of Sacramento, California (ELAP #1624) for analysis of:

- BTEX and Gasoline Range Organics by EPA method 8021/8015
- Diesel Range Organics by EPA method 8015
- MtBE by EPA method 8021/8015

The detection limits for the above analyses are listed in Table 2 of Appendix A, while the lab analytical results are presented in Appendix B.

As required under AB2886, the laboratory data was submitted electronically to GeoTracker on October 26, 2005. The confirmation number is 9550387203.

2.0 FINDINGS AND DISCUSSION

The results of the groundwater sample analyses from the domestic well and MW-1 show the following:

- For the fifth consecutive event, MW-2 was dry.
- For the sixth consecutive event, MW-3, MW-4 and MW-5 were dry and water samples could not be collected.
- Both the domestic well and MW-1 were non-detect above laboratory reporting limits for all analyzed constituents.
- This is the fourteenth consecutive non-detect event for MW-1.
- The domestic well has been non-detect for all analyzed constituents since October of 1999 with one exception noted in the 4th Quarter Monitoring Report – February 4, 2003.
- All other wells were dry and thus groundwater analyses were not performed.

- DO readings are close to saturation levels. Previous measurements of 1.6 to 3.0 ppm are more likely representative of aquifer conditions. If contamination were to reach the water table, the dissolved oxygen levels are favorable for aerobic biodegradation.

3.0 RECOMMENDATIONS

- On October 13, 2005, GTI perform the scope of work outlined in the *Additional Soil Investigation Work Plan* dated August 5, 2005 and approved by Mr. Larson of CRWQCB in a letter dated August 12, 2005. Submission technical report is scheduled for early November 2005.
- Groundwater monitoring will resume until the completion of a CRWQCB *No Further Action Required* review.

4.0 LIMITATIONS

This report was prepared in accordance with the generally accepted standard of care and practice in effect at the time Services were rendered. It should be recognized that definition and evaluation of environmental conditions is an inexact science and that the state or practice of environmental geology/hydrology is changing and evolving and that standards existing at the present time may change as knowledge increases and the state of the practice continues to improve. Further, that differing subsurface soil characteristics can be experienced within a small distance and therefore cannot be known in an absolute sense. All conclusions and recommendations are based on the available data and information**.**

The tasks proposed and completed during this project were reviewed and approved by the local regulatory agency for compliance with the law. No warranty, expressed or implied, is made.

5.0 SIGNATURES AND CERTIFICATION

This report was prepared by:

Eric L. Price

Digitally signed by Eric L. Price
DN: CN = Eric L. Price, C = US, O = Geological Technics, Inc.
Reason: I am the author of this document
Date: 2005.10.28 16:57:53 -07'00'

Eric L. Price
Project Geologist

Raynold Kablanow II

Digitally signed by Raynold Kablanow II
DN: CN = Raynold Kablanow II, C = US, O = Geological Technics, Inc.
Reason: I am approving this document
Date: 2005.10.28 16:58:05 -07'00'

Raynold Kablanow II, Ph.D.
California Professional Geologist #5234
Certified Hydrogeologist #442

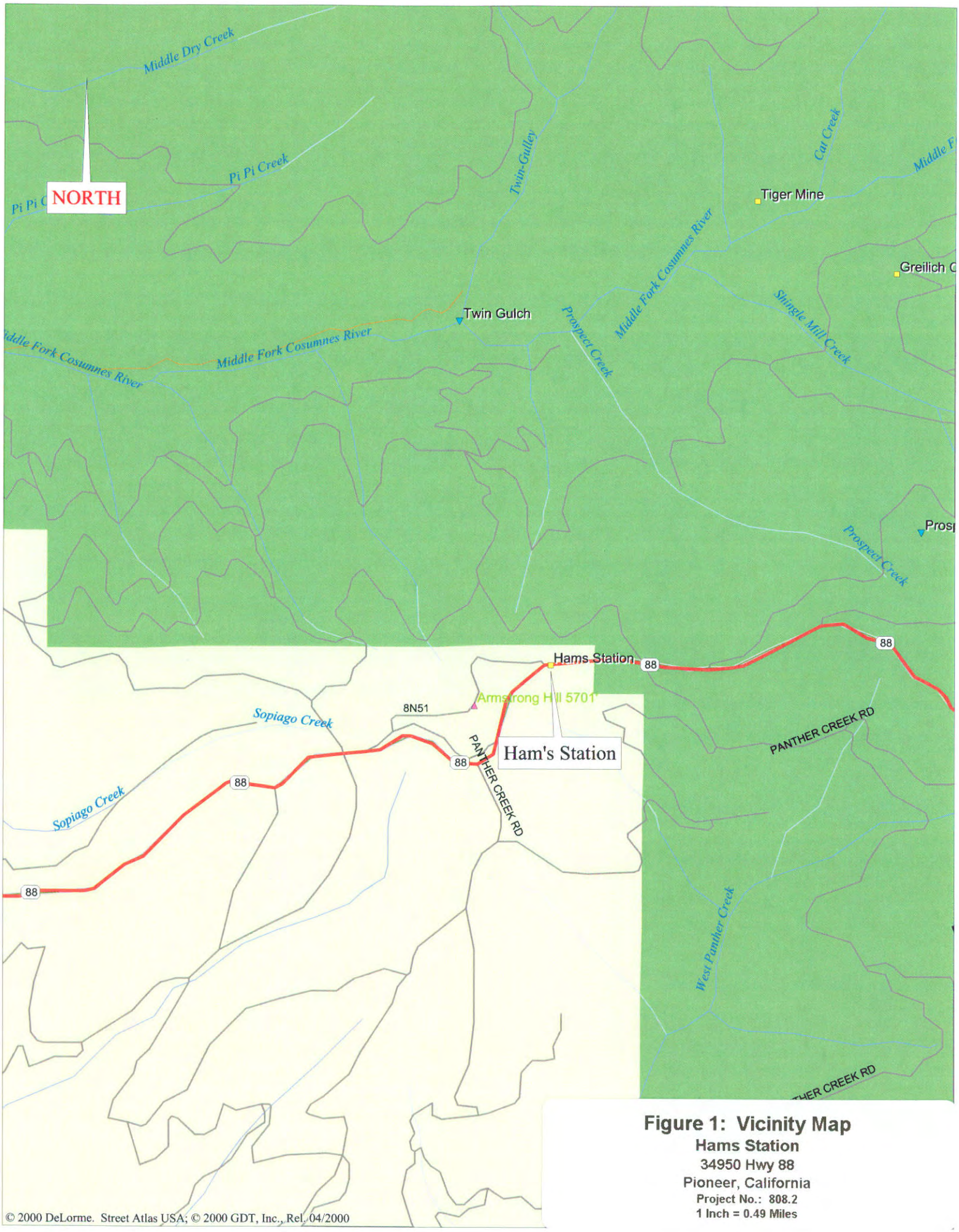

Figure 1: Vicinity Map

Hams Station
34950 Hwy 88
Pioneer, California
Project No.: 808.2
1 Inch = 0.49 Miles

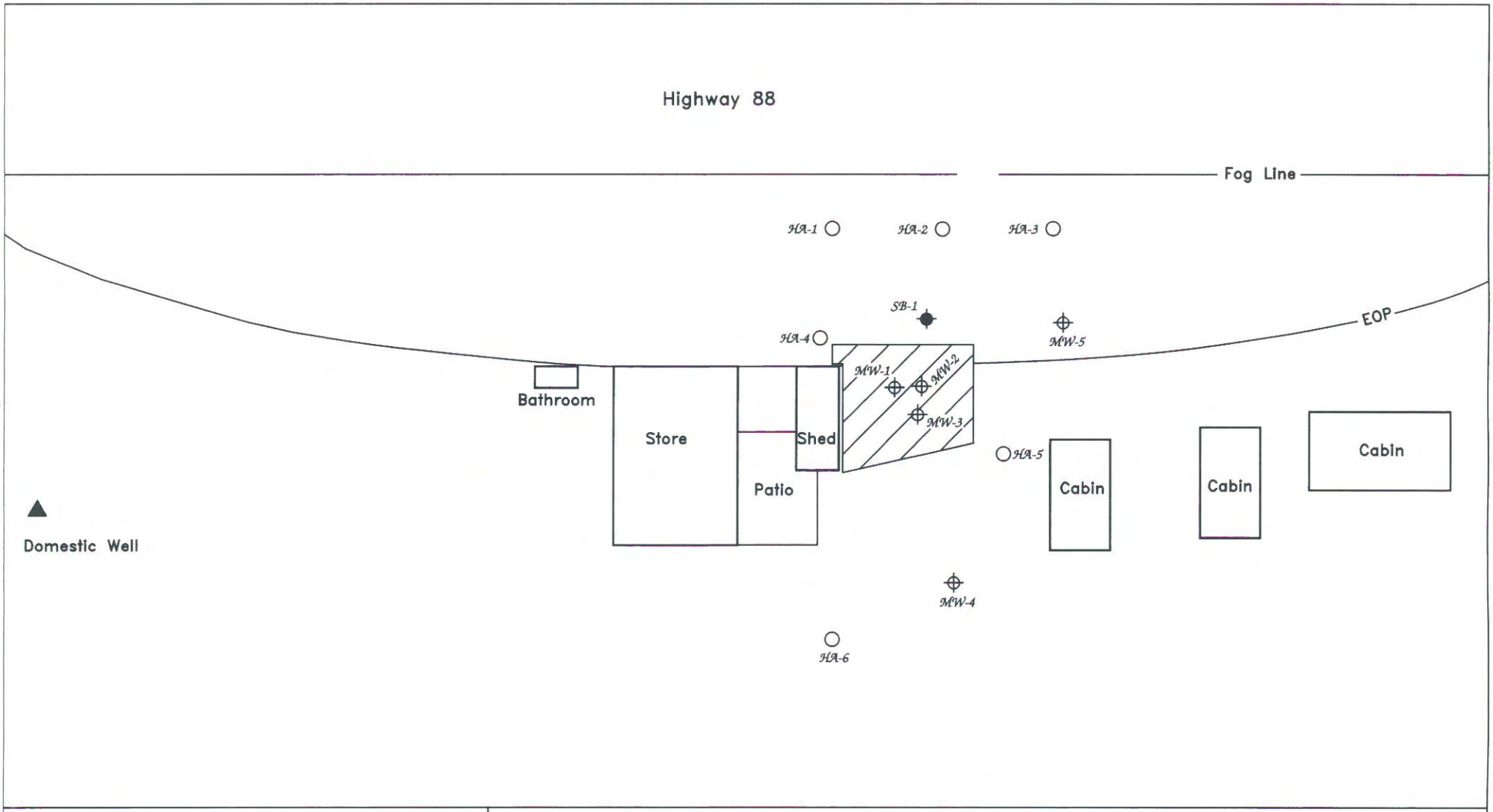

Figure 2:

Site Map

Ham Station

34950 Hwy 88

Pioneer, CA

Project No. 808.2

Geological Technics Inc. 9/28/05

LEGEND

- SB-1 — Soil Boring Location
- MW-2 — Monitoring Well
- HA-6 — Hand Auger Sample Points
- Domestic Well
- Pit Excavation
- Structures and Dwellings

N

0 50'

SCALE

Appendix A

Data Tables

Table 1: Summary of Groundwater Elevation, Bearing and Slope

Ham Station
34950 Hwy 88
Pioneer, Amador, CA
Project No. 808.2

Groundwater Monitoring Data										
Date	**MW-1**	**MW-2**	**MW-3**	**MW-4**	**MW-5**	**Average**	**Average**	**Average**	***Gradient**	***Gradient**
	GWL Elev.	**GWL Elev.**	**GWL Elev.**	**GWL Elev.**	**GWL Elev.**	**Elevation**	**Elevation**	**DTW**	**Bearing**	**Slope ft/ft**
						all wells	***int wells***	***all wells***		
TD	168.50	67.29	34.10	65.76	66.21					
TOC	5437.06	5436.92	5436.92	5432.90	5438.61					
03/07/03	5286.54									
07/15/03	5287.86									
10/15/03	5287.21									
12/08/03	5285.20	5382.35	5406.95	5367.51	5381.42	5354.12	5377.09	82.25	S26°E	0.2905
03/28/04	5287.21	5372.59	DRY	5367.83	5374.22	5350.46	5371.55	85.91	S02°W	0.0976
06/11/04	5285.33	DRY	DRY	DRY	DRY	5285.33	NA	151.73	NA	NA
08/31/04	5287.44	DRY	DRY	DRY	DRY	5287.44	NA	149.62	NA	NA
12/14/04	5288.33	DRY	DRY	DRY	DRY	5288.33	NA	148.73	NA	NA
03/11/05	5292.03	DRY	DRY	DRY	DRY	5292.03	NA	145.03	NA	NA
08/27/05	5288.23	DRY	DRY	DRY	DRY	5288.23	NA	148.83	NA	NA
			Historical Averages =			**5306.56**	**5374.32**	**130.30**	**S12°E**	**0.1941**

*Bearing and Slope determined using MW-2, MW-4 and MW-5

Table 2: Summary of Groundwater Analytical Data

Ham Station
34950 Highway 88
Pioneer, CA
Project No. 808.2

Summary of Groundwater Analytical Data														
Sample Designation	Date Sampled	Benzene	Toluene	Ethyl Benzene	Total Xylenes	TPH Gasoline	TEPH Diesel	MTBE	DIPE	ETBE	TAME	TBA	1,2-DCA	EDB
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-1 (175')	10/05/00	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<50	N/A	ND<5	ND<5	ND<5	ND<5	ND<20	N/A	N/A
	10/06/00	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<50	N/A	ND<5	ND<5	ND<5	ND<5	ND<20	N/A	N/A
MW-1	10/09/00	**62**	**203**	**22**	**154**	**1230**	N/A	**85**	ND<5	ND<5	ND<5	ND<20	N/A	N/A
	10/16/00	**12**	**5**	**0.4**	**14**	**108**	N/A	**53**	ND<5	ND<5	ND<5	**28**	ND<0.5	ND<0.5
	12/12/00	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<50	N/A	**31**	ND<5	ND<5	ND<5	ND<20	N/A	N/A
	03/14/01	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<50	N/A	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<11	N/A	N/A
	06/15/01	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<50	N/A	ND<5	ND<5	ND<5	ND<5	ND<20	N/A	N/A
	09/23/01	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<50	N/A	ND<5	ND<5	ND<5	ND<5	ND<20	N/A	N/A
	11/09/01	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<50	N/A	ND<5	ND<5	ND<5	ND<5	ND<20	N/A	N/A
	12/19/02	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<20	N/A	N/A
	03/07/03	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<50	ND<50	ND<1	ND<5	ND<5	ND<5	ND<10	N/A	N/A
	07/15/03	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<20	N/A	N/A
	10/15/03	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<20	N/A	N/A
	03/28/04	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<20	N/A	N/A
	06/11/04	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<20	N/A	N/A
	08/31/04	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<20	N/A	N/A
	12/14/04	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<20	N/A	N/A
	03/11/05	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<50	ND<50	ND<2	N/A	N/A	N/A	N/A	N/A	N/A
	08/27/05	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<50	ND<50	ND<2	N/A	N/A	N/A	N/A	N/A	N/A
MW-2	03/28/04	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<50	ND<50	**0.62**	ND<0.5	ND<0.5	ND<0.5	ND<20	N/A	N/A
	06/11/04	DRY												
	08/31/04	DRY												
	12/14/04	DRY												
	03/11/05	DRY												
	08/27/05	DRY												
MW-3	03/28/04	DRY												
	06/11/04	DRY												
	08/31/04	DRY												
	12/14/04	DRY												

Summary of Groundwater Analytical Data														
Sample Designation	Date Sampled	Benzene	Toluene	Ethyl Benzene	Total Xylenes	TPH Gasoline	TEPH Diesel	MTBE	DIPE	ETBE	TAME	TBA	1,2-DCA	EDB
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-3	03/11/05	DRY												
	08/27/05	DRY												
MW-4	03/28/04	DRY												
	06/11/04	DRY												
	08/31/04	DRY												
	12/14/04	DRY												
	03/11/05	DRY												
	08/27/05	DRY												
MW-5	03/28/04	DRY												
	06/11/04	DRY												
	08/31/04	DRY												
	12/14/04	DRY												
	03/11/05	DRY												
	08/27/05	DRY												
Domestic Well	10/26/99	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<50	N/A	ND<5	ND<5	ND<5	ND<5	ND<20	ND<5	N/A
	04/19/01	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<50	N/A	ND<5	ND<5	ND<5	ND<5	ND<20	N/A	N/A
	06/15/01	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<50	N/A	ND<5	ND<5	ND<5	ND<5	ND<20	N/A	N/A
	09/23/01	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<50	N/A	ND<5	ND<5	ND<5	ND<5	ND<20	N/A	N/A
	11/09/01	ND<0.3	ND<0.3	ND<0.3	ND<0.3	**215**	N/A	ND<5	ND<5	ND<5	ND<5	ND<20	N/A	N/A
	12/19/02	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<20	N/A	N/A
	03/07/03	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<50	ND<50	ND<1	ND<5	ND<5	ND<5	ND<10	N/A	N/A
	07/15/03	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<20	N/A	N/A
	10/15/03	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<20	N/A	N/A
	03/28/04	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<20	N/A	N/A
	06/11/04	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<20	N/A	N/A
	08/31/04	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<20	N/A	N/A
	12/14/04	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<20	N/A	N/A
	03/11/05	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<50	ND<50	ND<2	N/A	N/A	N/A	N/A	N/A	N/A
	08/27/05	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<50	ND<50	ND<2	N/A	N/A	N/A	N/A	N/A	N/A
Spring #1	01/18/00	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<50	N/A	ND<5	ND<5	ND<5	ND<5	ND<20	ND<5	N/A
Meyer's Spring	10/05/00	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<50	N/A	ND<5	ND<5	ND<5	ND<5	ND<20	N/A	N/A

Table 3: Summary of Water Quality Parameter Data

Ham Station
34950 Highway 88
Pioneer, California
Project No. 808.2

Monitoring Well	MW-1					MW-2					MW-3				
Date	pH	E.C.	°F	ORP	DO	pH	E.C.	°F	ORP	DO	pH	E.C.	°F	ORP	DO
10/16/00	8.02	193	48.7	210	N/A										
12/11/00	7.74	190	49.1	140	N/A										
03/14/01	8.04	197	50.4	122	N/A										
06/15/01	7.62	145	50.9	218	N/A										
09/23/01	7.95	150	50.5	18	N/A										
11/09/01	7.88	150	50.7	156	N/A										
12/19/02	8.32	146	45.0	56	1.56										
03/07/03	7.84	152	50.5	173	1.70										
07/15/03	7.57	170	49.6	129	7.42										
10/15/03	8.45	135	48.7	71	3.10										
03/28/04	8.57	195	50.9	19.4	7.68	8.48	317	51.8	58	3.00	DRY				
06/11/04	7.95	178	50.4	24	7.80	DRY					DRY				
08/31/04	7.97	170	50.7	43	7.50	DRY					DRY				
12/14/04	7.83	162	50.5	11	7.72	DRY					DRY				
03/11/05	7.96	240	50.5	68	6.20	DRY					DRY				
08/27/05	7.97	248	50.7	92	5.89	DRY					DRY				

Monitoring Well	MW-4					MW-5					Domestic Well				
Date	pH	E.C.	°F	ORP	DO	pH	E.C.	°F	ORP	DO	pH	E.C.	°F	ORP	DO
10/16/00															
12/11/00															
03/14/01															
06/15/01															
09/23/01	N/A					N/A					8.10	162	59.9	27	N/A
11/09/01	N/A					N/A					8.07	150	58.6	35	N/A
12/19/02	N/A					N/A					8.23	121	43.4	85	2.40
03/07/03	N/A					N/A					8.10	142	54.9	47	N/A
07/15/03	N/A					N/A					8.18	168	55.9	77.9	N/A
10/15/03	N/A					N/A					8.43	129	51.6	62	N/A
03/28/04	DRY					DRY					8.65	140	47.8	19.9	N/A
06/11/04	DRY					DRY					8.25	145	51.4	83.1	N/A
08/31/04	DRY					DRY					8.22	140	51.1	99.1	N/A
12/14/04	DRY					DRY					8.12	162	50.5	107.8	N/A
03/11/05	DRY					DRY					7.63	202	57.2	67.9	N/A
08/27/05	DRY					DRY					9.23	208	61.7	186.5	N/A

Appendix B

Laboratory Data Sheets

Sequoia Analytical

COPY

819 Striker Ave Ste 8
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
www.sequoialabs.com

20 September, 2005

Geological Technics, Inc.
Geological Technics, Inc.
1101 7th Street
Modesto, CA 95354

RE: Ham's Station
Work Order: S509134

Enclosed are the results of analyses for samples received by the laboratory on 09/07/05 17:10. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Sylvia Krenn
Project Manager

CA ELAP Certificate #1624

Sequoia Analytical

819 Striker Ave Ste 8
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
www.sequoialabs.com

Geological Technics, Inc.	Project:Ham's Station	S509134
1101 7th Street	Project Number:[none]	**Reported:**
Modesto CA, 95354	Project Manager:Geological Technics, Inc.	09/20/05 12:05

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5090098 - EPA 5030B (P/T) / EPA 8015B/8021B										
Blank (5090098-BLK1)				Prepared & Analyzed: 09/08/05						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.0	"							
Surrogate: 4-BFB (FID)	*7.25*		"	*10.0*		*72*	*60-140*			
Surrogate: a,a,a-TFT (PID)	*9.56*		"	*10.0*		*96*	*60-140*			
Blank (5090098-BLK2)				Prepared & Analyzed: 09/09/05						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.0	"							
Surrogate: 4-BFB (FID)	*6.89*		"	*10.0*		*69*	*60-140*			
Surrogate: a,a,a-TFT (PID)	*8.42*		"	*10.0*		*84*	*60-140*			
Laboratory Control Sample (5090098-BS1)				Prepared & Analyzed: 09/08/05						
Benzene	9.11	0.50	ug/l	10.0		91	70-130			
Toluene	8.83	0.50	"	10.0		88	70-130			
Ethylbenzene	8.90	0.50	"	10.0		89	70-130			
Xylenes (total)	26.2	0.50	"	30.0		87	70-130			
Methyl tert-butyl ether	9.35	2.0	"	10.0		94	70-130			
Surrogate: 4-BFB (FID)	*8.19*		"	*10.0*		*82*	*60-140*			
Surrogate: a,a,a-TFT (PID)	*8.83*		"	*10.0*		*88*	*60-140*			

Sequoia Analytical

819 Striker Ave Ste 8
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
www.sequoialabs.com

Geological Technics, Inc.	Project:Ham's Station	S509134
1101 7th Street	Project Number:[none]	**Reported:**
Modesto CA, 95354	Project Manager:Geological Technics, Inc.	09/20/05 12:05

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control
Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5090098 - EPA 5030B (P/T) / EPA 8015B/8021B										
Laboratory Control Sample (5090098-BS2)				Prepared & Analyzed: 09/09/05						
Benzene	9.74	0.50	ug/l	10.0		97	70-130			
Toluene	9.57	0.50	"	10.0		96	70-130			
Ethylbenzene	9.43	0.50	"	10.0		94	70-130			
Xylenes (total)	27.9	0.50	"	30.0		93	70-130			
Methyl tert-butyl ether	10.1	2.0	"	10.0		101	70-130			
Surrogate: 4-BFB (FID)	*7.76*		"	*10.0*		*78*	*60-140*			
Surrogate: a,a,a-TFT (PID)	*9.53*		"	*10.0*		*95*	*60-140*			
Matrix Spike (5090098-MS1)	**Source: S508677-03**			Prepared: 09/08/05 Analyzed: 09/09/05						
Benzene	8.97	0.50	ug/l	10.0	ND	90	60-140			
Toluene	8.62	0.50	"	10.0	ND	86	60-140			
Ethylbenzene	8.66	0.50	"	10.0	ND	87	60-140			
Xylenes (total)	25.5	0.50	"	30.0	ND	85	60-140			
Methyl tert-butyl ether	9.88	2.0	"	10.0	ND	99	60-140			
Surrogate: 4-BFB (FID)	*7.88*		"	*10.0*		*79*	*60-140*			
Surrogate: a,a,a-TFT (PID)	*8.98*		"	*10.0*		*90*	*60-140*			
Matrix Spike Dup (5090098-MSD1)	**Source: S508677-03**			Prepared: 09/08/05 Analyzed: 09/09/05						
Benzene	9.08	0.50	ug/l	10.0	ND	91	60-140	1	25	
Toluene	8.61	0.50	"	10.0	ND	86	60-140	0.1	25	
Ethylbenzene	8.73	0.50	"	10.0	ND	87	60-140	0.8	25	
Xylenes (total)	25.7	0.50	"	30.0	ND	86	60-140	0.8	25	
Methyl tert-butyl ether	10.4	2.0	"	10.0	ND	104	60-140	5	25	
Surrogate: 4-BFB (FID)	*7.89*		"	*10.0*		*79*	*60-140*			
Surrogate: a,a,a-TFT (PID)	*8.99*		"	*10.0*		*90*	*60-140*			

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Geological Technics, Inc.	Project:Ham's Station	S509134
1101 7th Street	Project Number:[none]	**Reported:**
Modesto CA, 95354	Project Manager:Geological Technics, Inc.	09/20/05 12:05

Extractable Hydrocarbons by EPA 8015B - Quality Control
Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5090109 - EPA 3510C / EPA 8015B-SVOA										
Blank (5090109-BLK1)				Prepared & Analyzed: 09/09/05						
Diesel Range Organics (C10-C28)	ND	50	ug/l							
Surrogate: Octacosane	*15.8*		"	*20.0*		*79*	*50-150*			
Laboratory Control Sample (5090109-BS1)				Prepared & Analyzed: 09/09/05						
Diesel Range Organics (C10-C28)	441	50	ug/l	500		88	60-140			
Surrogate: Octacosane	*16.9*		"	*20.0*		*84*	*50-150*			
Laboratory Control Sample Dup (5090109-BSD1)				Prepared & Analyzed: 09/09/05						
Diesel Range Organics (C10-C28)	541	50	ug/l	500		108	60-140	20	50	
Surrogate: Octacosane	*21.0*		"	*20.0*		*105*	*50-150*			

Sequoia Analytical

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Geological Technics, Inc.	Project:Ham's Station	S509134
1101 7th Street	Project Number:[none]	**Reported:**
Modesto CA, 95354	Project Manager:Geological Technics, Inc.	09/20/05 12:05

Notes and Definitions

HT-01	This sample was received beyond the EPA recommended holding time.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

8509134

DEL-TECH GEOTECHNICAL SUPPORT

10624 OLIVE AVE. / OAKDALE, CA. 95361
(209) 847-8757 / (209) 847-7744 FAX / deltech1@pacbell.net

Laboratory Chain of Custody / 2005

BILLING TO: GEOLOGICAL TECH.

PROJECT NAME: HAM'S SATION / 34950 HWY. 88 / PIONEER, CA.

PROJECT I.D. / GLOBAL I.D. # T0600500051

Sheet: 1 OF 1

Client: GEOLOGICAL TECHNICS	Report Attention: ERIC PRICE	Phone: (209) 522-4119	
Address: 1101 7TH ST.	Project Name: 3RD. QTR. 2005	FAX: (209) 522-4227	
City, State, Zip MODESTO, CA. 95354	Consultant: GTI / 808	P.O. # 808-5593	
	Sampled by: DEL-TECH / 808-5592	Lab. : SEQUOIA	

Lab Use Only S#	T	#C	Sampling Info: Date	Time	Sample Description / Location	Sample Container / Presery.	MONITORING WELL GROUNDWATER PROFILE	TPH - GASOLINE / 8021B	TPH - DIESEL / 8015M	B.T.E.X. (8021B)	M.T.B.E. (8021B)	8260 U.S.T. OXYGENATES (M.T.B.E., D.I.P.E., T.A.M.E., E.T.B.E., T.B.A.)	1,2 DCA	EDB	TOTAL LEAD	EDF REPORTING	Rush Priority (1-Day, 2-Day, 5-Day) STANDARD = (S)
11534		01	8/27/2005	1840	MW- 1	4 VOA'S / HCL ~ 1 - 1LTR. / NEAT		X	X	X	X						S
		02	8/27/2005	—	MW- 2 / DRY	NONE											
		03	8/27/2005	—	MW- 3 / DRY	NONE											
		04	8/27/2005	—	MW- 4 / DRY	NONE											
		05	8/27/2005	—	MW- 5 / DRY	NONE											
		06	8/27/2005	1130	DW- 1	4 VOA'S / HCL ~ 1 - 1LTR. / NEAT		X	X	X	X						S
									1 QT								

QC Report Type: Level [ ] 2 [ ] 3 [ ] 4 Formal COC Required: [ ]

Signature	Print Name	Company	Date	Time
Received / Reliquished by:	DON LIGHT	DEL-TECH GEOTECH.	8/29/05	1415
Received / Reliquished by:	Jenny Weese	GTI	8/29/05	1415
Received / Reliquished by:	Nerold Brown	Alliso Mgs.	9.07.05	15:17
Received / Reliquished by:	Harold Brown	"	9.07.05	17:10
Received / Reliquished by:			9/7/05	17:10

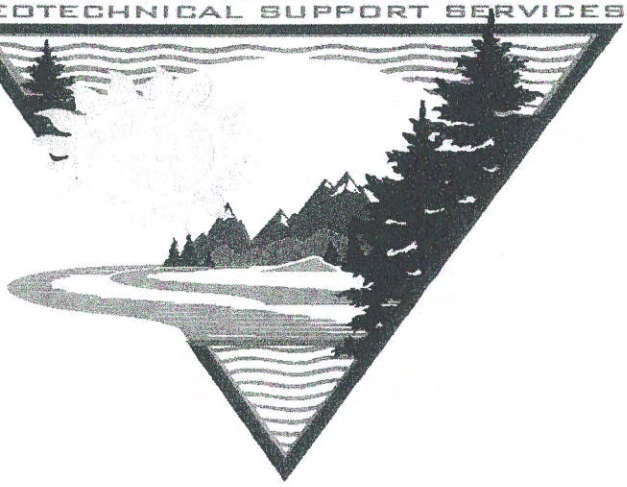
SPECIAL INSTRUCTIONS / NOTES: DW-1 was frozen and top was popped off

Appendix C

Groundwater Monitoring Field Logs

COPY

DEL-TECH
GEOTECHNICAL SUPPORT SERVICES



2005
GROUNDWATER
FIELD MONITORING
SUMMARY REPORT

SITE:

HAM'S STATION
34950 HIGHWAY 88
PIONEER, CA
August 27, 2005

10624 OLIVE AVE., OAKDALE, CALIF. 95361 * OFFICE (209) 847-8757 * FAX (209) 847-7744

DEL-TECH GEOTECHNICAL SUPPORT SERVICES

MONITORING WELL FIELD LOG 2005

SAMPLE LOCATION / MW -	1	**DATE:**	8/27/2005

PROJECT NAME:	HAM'S STATION	**ANALYSIS PERFORMED:**	SEE CHAIN OF CUSTODY
ADDRESS:	34950 HIGHWAY 88	**SAMPLE TIME:**	10:40
CITY, STATE:	PIONEER, CA	**SAMPLE CONTAINERS:**	4 V.O.A.'S / 1 LITER NEAT
SITE CONTACT:	TOM NEWCOMER	**PRESERVATIVES:**	HCL
CONSULTANT:	GEOLOGICAL TECHNICS	**LAB. ANALYSIS BY:**	SEQUOIA

PROJECT MANAGER:	ERIC PRICE			**MONUMENT:**	FLUSH	
SAMPLER:	DEL-TECH / DON LIGHT			**WELL CASING MATERIAL**	PVC	
SIGNED:	Don Light			**WELL CASING DIA. :**	2" /	0.1632
SAMPLE MEDIA:	GROUNDWATER			**P.I.D. READING / ODOR:**	N/A	NONE
TOP OF CASING ELEVATION:			MSL	**COLOR:**	CLEAR	
DEPTH TO WATER:	**(feet.100th's)**	148.83	FEET	**CALC. PURGE VOL.:**	3.21	GAL.
DEPTH OF WELL:	**(feet.100th's)**	168.50	FEET	**TOTAL VOLUME PURGED:**	9.63	GAL.
STANDING WATER COLUMN:		19.67	FEET	**DEPTH OF PUMP:**	168	FEET

FIELD PARAMETERS

TIME	CUMULATIVE CASING VOLUME PER PURGE	DRAW DOWN (D.T.W.)	PUMPING RATE (GPM/LPM)	pH (units)	E. C. (UmMHOS)	TEMP. (Celsius)	O.R.P. (Mvolts)	DISSOLVED OXYGEN (PPM)	TURBIDITY COLOR (N.T.U.)
	0	N/A	.5 GPM	8.73	203	10.9	114.8	5.25	CLEAR
	3.21	"	"	8.35	237	10.5	110	5.54	"
	6.42	"	"	8.04	244	10.5	96	5.59	"
	9.63	"	"	7.97	248	10.4	92	5.89	"

PURGE METHOD:	4' STAINLESS STEEL BAILER.		
SAMPLE METHOD:	4' STAINLESS STEEL BAILER.		
D. T. W. AFTER PURGE:		**D. T. W. AT SAMPLE TIME:**	154.47'
WELL INTEGRITY:	CAP & SEAL ARE SECURE.		
WELL LOCATION:	SEE SITE MAP.		
REMARKS:	**DOMESTIC WELL PH = 9.23 / E.C.= 208 / TEMP.= 16.5 / O.R.P.= 186.5 / CLEAR**		
WEATHER:	CLEAR / COLD	**WIND:**	NONE
QUALITY CONTROL:	*ALL PURGING EQUIPMENT AND SAMPLING EQUIPMENT WAS CLEANED IN THE FIELD WITH A STEAMCLEANER & ALCONOX SOAP. NEW NITRILE GLOVES.*		
CONTAINMENT:	*D.O.T. 17 55 GAL. STEEL DRUM OR 60 GAL. POLY DRUM.*		
INSTRUMENTATION:	Y.S.I. 3560 FLOWCELL	Y.S.I. DISSOLVED OXYGEN METER	
	SOLINIST SLOPE METER	THERMODINE 580B P.I.D.	
	KECK INTERFACE METER	TURBIDITY METER	
# OF DRUMS ON SIGHT:	**WATER:** 1	**SOIL:** 0	

DEL-TECH GEOTECHNICAL SUPPORT SERVICES

MONITORING WELL FIELD LOG 2005

SAMPLE LOCATION / MW -	2	**DATE:**	3/11/2005

PROJECT NAME:	HAM'S STATION	**ANALYSIS PERFORMED:**	NONE
ADDRESS:	34950 HIGHWAY 88	**SAMPLE TIME:**	NO SAMPLE TAKEN
CITY, STATE:	PIONEER, CA	**SAMPLE CONTAINERS:**	N/A
SITE CONTACT:	TOM NEWCOMER	**PRESERVATIVES:**	N/A
CONSULTANT:	GEOLOGICAL TECHNICS	**LAB. ANALYSIS BY:**	N/A

PROJECT MANAGER:		ERIC PRICE		**MONUMENT:**	FLUSH	
SAMPLER:		DEL-TECH / DON LIGHT		**WELL CASING MATERIAL**	PVC	
SIGNED:		Don Light		**WELL CASING DIA. :**	2" /	0.1632
SAMPLE MEDIA:		GROUNDWATER		**P.I.D. READING / ODOR:**	N/A	N/A
TOP OF CASING ELEVATION:			MSL	**COLOR:**	N/A	
DEPTH TO WATER:	**(feet.100th's)**	DRY	FEET	**CALC. PURGE VOL.:**	N/A	GAL.
DEPTH OF WELL:	**(feet.100th's)**	67.16	FEET	**TOTAL VOLUME PURGED:**	N/A	GAL.
STANDING WATER COLUMN:		#VALUE!	FEET	**DEPTH OF PUMP:**	67	FEET

FIELD PARAMETERS

TIME	CUMULATIVE CASING VOLUME PER PURGE	DRAW DOWN (D.T.W.)	PUMPING RATE (GPM/LPM)	pH (units)	E. C. (UmMHOS)	TEMP. (Celsius)	O.R.P. (Mvolts)	DISSOLVED OXYGEN (PPM)	TURBIDITY COLOR (N.T.U.)
	0	DRY							
	N/A								

PURGE METHOD:	N/A		
SAMPLE METHOD:	N/A		
D. T. W. AFTER PURGE:		**D. T. W. AT SAMPLE TIME:**	N/A
WELL INTEGRITY:	CAP & SEAL ARE SECURE.		
WELL LOCATION:	SEE SITE MAP.		
REMARKS:			
WEATHER:	CLEAR / COLD	**WIND:**	NONE
QUALITY CONTROL:	*ALL PURGING EQUIPMENT AND SAMPLING EQUIPMENT WAS CLEANED IN THE*		
	FIELD WITH A STEAMCLEANER & ALCONOX SOAP. NEW NITRILE GLOVES.		
CONTAINMENT:	*D.O.T. 17 55 GAL. STEEL DRUM OR 60 GAL. POLY DRUM.*		
INSTRUMENTATION:	Y.S.I. 3560 FLOWCELL	Y.S.I. DISSOLVED OXYGEN METER	
	SOLINIST SLOPE METER	THERMODINE 580B P.I.D.	
	KECK INTERFACE METER	TURBIDITY METER	

DEL-TECH GEOTECHNICAL SUPPORT SERVICES

MONITORING WELL FIELD LOG 2005

SAMPLE LOCATION / MW - 3 **DATE:** 3/11/2005

PROJECT NAME:	HAM'S STATION	**ANALYSIS PERFORMED:**	NONE
ADDRESS:	34950 HIGHWAY 88	**SAMPLE TIME:**	NO SAMPLE TAKEN
CITY, STATE:	PIONEER, CA	**SAMPLE CONTAINERS:**	N/A
SITE CONTACT:	TOM NEWCOMER	**PRESERVATIVES:**	N/A
CONSULTANT:	GEOLOGICAL TECHNICS	**LAB. ANALYSIS BY:**	N/A
PROJECT MANAGER:	ERIC PRICE	**MONUMENT:**	FLUSH
SAMPLER:	DEL-TECH / DON LIGHT	**WELL CASING MATERIAL**	PVC
SIGNED:	Don Light	**WELL CASING DIA. :**	2" / 0.1632
SAMPLE MEDIA:	GROUNDWATER	**P.I.D. READING / ODOR:**	N/A N/A
TOP OF CASING ELEVATION:	MSL	**COLOR:**	N/A
DEPTH TO WATER: (feet.100th's)	DRY FEET	**CALC. PURGE VOL.:**	N/A GAL.
DEPTH OF WELL: (feet.100th's)	34.10 FEET	**TOTAL VOLUME PURGED:**	N/A GAL.
STANDING WATER COLUMN:	#VALUE! FEET	**DEPTH OF PUMP:**	N/A FEET

FIELD PARAMETERS

TIME	CUMULATIVE CASING VOLUME PER PURGE	DRAW DOWN (D.T.W.)	PUMPING RATE (GPM/LPM)	pH (units)	E. C. (UmMHOS)	TEMP. (Celsius)	O.R.P. (Mvolts)	DISSOLVED OXYGEN (PPM)	TURBIDITY COLOR (N.T.U.)
	0	DRY							
	N/A								

PURGE METHOD:	N/A		
SAMPLE METHOD:	N/A		
D. T. W. AFTER PURGE:		**D. T. W. AT SAMPLE TIME:**	N/A
WELL INTEGRITY:	CAP & SEAL ARE SECURE.		
WELL LOCATION:	SEE SITE MAP.		
REMARKS:			
WEATHER:	CLEAR / COLD	**WIND:**	NONE
QUALITY CONTROL:	*ALL PURGING EQUIPMENT AND SAMPLING EQUIPMENT WAS CLEANED IN THE FIELD WITH A STEAMCLEANER & ALCONOX SOAP. NEW NITRILE GLOVES.*		
CONTAINMENT:	*D.O.T. 17 55 GAL. STEEL DRUM OR 60 GAL. POLY DRUM.*		
INSTRUMENTATION:	Y.S.I. 3560 FLOWCELL	Y.S.I. DISSOLVED OXYGEN METER	
	SOLINIST SLOPE METER	THERMODINE 580B P.I.D.	
	KECK INTERFACE METER	TURBIDITY METER	

DEL-TECH GEOTECHNICAL SUPPORT SERVICES

MONITORING WELL FIELD LOG 2005

SAMPLE LOCATION / MW - 4 **DATE:** 3/11/2005

PROJECT NAME:	HAM'S STATION		**ANALYSIS PERFORMED:**	NONE	
ADDRESS:	34950 HIGHWAY 88		**SAMPLE TIME:**	NO SAMPLE TAKEN	
CITY, STATE:	PIONEER, CA		**SAMPLE CONTAINERS:**	N/A	
SITE CONTACT:	TOM NEWCOMER		**PRESERVATIVES:**	N/A	
CONSULTANT:	GEOLOGICAL TECHNICS		**LAB. ANALYSIS BY:**	N/A	
PROJECT MANAGER:	ERIC PRICE		**MONUMENT:**	FLUSH	
SAMPLER:	DEL-TECH / DON LIGHT		**WELL CASING MATERIAL**	PVC	
SIGNED:	Don Light		**WELL CASING DIA. :**	2" /	0.1632
SAMPLE MEDIA:	GROUNDWATER		**P.I.D. READING / ODOR:**	N/A	N/A
TOP OF CASING ELEVATION:		MSL	**COLOR:**	N/A	
DEPTH TO WATER:	**(feet.100th's)** DRY	FEET	**CALC. PURGE VOL.:**	N/A	GAL.
DEPTH OF WELL:	**(feet.100th's)** 65.20	FEET	**TOTAL VOLUME PURGED:**	N/A	GAL.
STANDING WATER COLUMN:	#VALUE!	FEET	**DEPTH OF PUMP:**	N/A	FEET

FIELD PARAMETERS

TIME	CUMULATIVE CASING VOLUME PER PURGE	DRAW DOWN (D.T.W.)	PUMPING RATE (GPM/LPM)	pH (units)	E. C. (UmMHOS)	TEMP. (Celsius)	O.R.P. (Mvolts)	DISSOLVED OXYGEN (PPM)	TURBIDITY COLOR (N.T.U.)
	0	DRY							
	N/A								

PURGE METHOD:	N/A		
SAMPLE METHOD:	N/A		
D. T. W. AFTER PURGE:		**D. T. W. AT SAMPLE TIME:**	N/A
WELL INTEGRITY:	CAP & SEAL ARE SECURE.		
WELL LOCATION:	SEE SITE MAP.		
REMARKS:			
WEATHER:	CLEAR / COLD	**WIND:**	NONE
QUALITY CONTROL:	*ALL PURGING EQUIPMENT AND SAMPLING EQUIPMENT WAS CLEANED IN THE FIELD WITH A STEAMCLEANER & ALCONOX SOAP. NEW NITRILE GLOVES.*		
CONTAINMENT:	*D.O.T. 17 55 GAL. STEEL DRUM OR 60 GAL. POLY DRUM.*		
INSTRUMENTATION:	Y.S.I. 3560 FLOWCELL	Y.S.I. DISSOLVED OXYGEN METER	
	SOLINIST SLOPE METER	THERMODINE 580B P.I.D.	
	KECK INTERFACE METER	TURBIDITY METER	

DEL-TECH GEOTECHNICAL SUPPORT SERVICES

MONITORING WELL FIELD LOG 2005

SAMPLE LOCATION / MW -	5	**DATE:**	3/11/2005

PROJECT NAME:	HAM'S STATION	**ANALYSIS PERFORMED:**	NONE
ADDRESS:	34950 HIGHWAY 88	**SAMPLE TIME:**	NO SAMPLE TAKEN
CITY, STATE:	PIONEER, CA	**SAMPLE CONTAINERS:**	N/A
SITE CONTACT:	TOM NEWCOMER	**PRESERVATIVES:**	N/A
CONSULTANT:	GEOLOGICAL TECHNICS	**LAB. ANALYSIS BY:**	N/A

PROJECT MANAGER:	ERIC PRICE			**MONUMENT:**	FLUSH	
SAMPLER:	DEL-TECH / DON LIGHT			**WELL CASING MATERIAL**	PVC	
SIGNED:	Don Light			**WELL CASING DIA. :**	2" /	0.1632
SAMPLE MEDIA:	GROUNDWATER			**P.I.D. READING / ODOR:**	N/A	N/A
TOP OF CASING ELEVATION:			MSL	**COLOR:**	N/A	
DEPTH TO WATER:	**(feet.100th's)**	DRY	FEET	**CALC. PURGE VOL.:**	N/A	GAL.
DEPTH OF WELL:	**(feet.100th's)**	65.80	FEET	**TOTAL VOLUME PURGED:**	N/A	GAL.
STANDING WATER COLUMN:		#VALUE!	FEET	**DEPTH OF PUMP:**	N/A	FEET

FIELD PARAMETERS

TIME	CUMULATIVE CASING VOLUME PER PURGE	DRAW DOWN (D.T.W.)	PUMPING RATE (GPM/LPM)	pH (units)	E. C. (UmMHOS)	TEMP. (Celsius)	O.R.P. (Mvolts)	DISSOLVED OXYGEN (PPM)	TURBIDITY COLOR (N.T.U.)
	0	DRY							
	N/A								

PURGE METHOD:	N/A		
SAMPLE METHOD:	N/A		
D. T. W. AFTER PURGE:		**D. T. W. AT SAMPLE TIME:**	N/A
WELL INTEGRITY:	CAP & SEAL ARE SECURE.		
WELL LOCATION:	SEE SITE MAP.		
REMARKS:			
WEATHER:	CLEAR / COLD	**WIND:**	NONE
QUALITY CONTROL:	*ALL PURGING EQUIPMENT AND SAMPLING EQUIPMENT WAS CLEANED IN THE FIELD WITH A STEAMCLEANER & ALCONOX SOAP. NEW NITRILE GLOVES.*		
CONTAINMENT:	*D.O.T. 17 55 GAL. STEEL DRUM OR 60 GAL. POLY DRUM.*		
INSTRUMENTATION:	Y.S.I. 3560 FLOWCELL	Y.S.I. DISSOLVED OXYGEN METER	
	SOLINIST SLOPE METER	THERMODINE 580B P.I.D.	
	KECK INTERFACE METER	TURBIDITY METER	

DEL-TECH GEOTECHNICAL SUPPORT

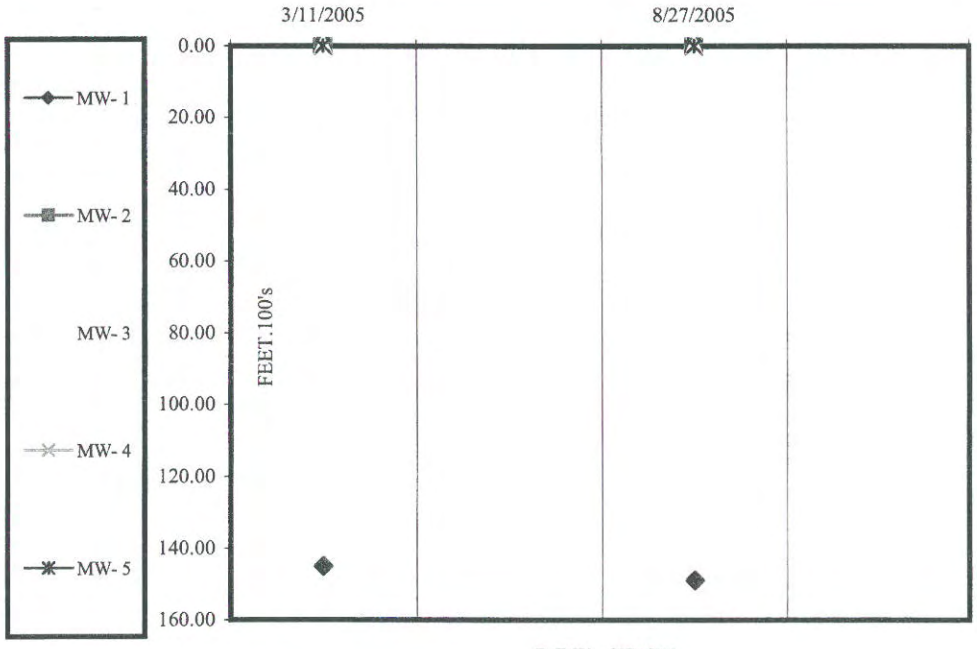
(209) 847-8757 (OFFICE) * (209) 847-7744 (FAX) * deltech1@pacbell.net (Email)

HAM'S STATION
34950 HWY. 88 / PIONEER, CA.

MONITORING WELL FIELD SUMMARY LOG 2005

DEPTH TO WATER MEASUREMENTS

	QTR. 1	QTR. 2	QTR. 3	QTR. 4	TOTAL
DATE	3/11/05		8/27/05		**DEPTH**
LOCATION					
MW- 1	145.03		148.83		168.50'
MW- 2	DRY		DRY		67.16'
MW- 3	DRY		DRY		33.71'
MW- 4	DRY		DRY		65.20'
MW- 5	DRY		DRY		65.80'



D.T.W. CHART

NOTE:

ALL MEASUREMENTS ARE MADE FROM THE NORTH SIDE AND TOP EDGE OF THE WELL CASING. THE TOP OF CASING WITH A NOTCH OR PERMENANT MARKINGS, WHICH EVER ONE CONDITION IS APPROPRIATE.